

and is deposited in the herbarium of the Naturhistoriska Riks-museum at Stockholm. The calyxes on the type specimen are mostly infested with a fungus which forms tiny brown dots over the surface, which dots under the microscope reveal themselves to be masses of tint brown filaments.

VERBENA PULCHRA var. **PALUDICOLA** Moldenke, var. nov.

Iaec varietas a forma typica speciei recedit laminis foliorum tantummodo 2.4--4.3 cm. longis, 1--2 cm. latis et corollis albis oculiroseis.

This variety differs from the typical form of the species in its leaves being shorter, the blades only 2.4--4.3 cm. long, 1--2 cm. wide, and the corollas white except for a red "eye".

The type was collected by Wilhelm Gustav Hertter (no. 99937) in a rather wet sandy marsh, at an altitude of 150 m., exposed to the sunlight in an arroyo, Reanqueras, Rivera, Uruguay, between March 24 and 27, 1907, and is deposited in the Britton Herbarium at the New York Botanical Garden.

VITEX RUFESCENS var. **ABLUDENS** (Moldenke), comb. nov.

Vitex Perriana var. *abludens* Moldenke, Alph. List Common Names Verbenac. 21, hyponym (1939); Trop. Woods 64: 39. 1940.

VITEX SPRUCEI var. **LONGIDENTATA** (Moldenke), comb. nov.

Vitex spongiocarpa var. *longidentata* Moldenke, Phytologia 2: 31. 1941.

VITEX TRIFOLIA var. **SIMPLICIFOLIA** f. **ALBIFLORA** (Y. Matsumura) Moldenke, comb. nov.

Vitex rotundifolia var. *albiflora* Y. Matsumura, Amatores Herbarii 10: 54. 1943.

THE KNOWN GEOGRAPHIC DISTRIBUTION OF THE MEMBERS OF THE
VERBENACEAE, AVICENNIACEAE, STILBACEAE, AND SYMPHOREMACEAE.

SUPPLEMENT 9

Harold N. Moldenke

Since the preparation of the eighth supplement to this list several thousand additional specimens of these groups have been examined from the herbarium of the Chicago Natural History Museum, the United States National Herbarium at Washington, the University of Massachusetts at Amherst, the United States Field Station at Sacaton, Arizona, the Britton Herbarium of the New York Botanical Garden, the Jardin Botanique de l'Etat at Brussels, the Botanisk Museum of the University of Lund at Lund, Sweden, the Naturhistoriska Riksmuseum at Stockholm, and the Herbario Ruiz Leal at Godoz Cruz, Mendoza, Argentina. This excellent material has brought to light 74 new country or island

records, 125 new state, province, or department records, and 17 new county records, as well as the necessity for making certain emendations in previous records and certain nomenclatural changes hereinafter noted.

UNITED STATES OF AMERICA:

Massachusetts:

Verbena hastata f. albiflora Moldenke (Worcester County)
Verbena urticifolia L. (Franklin & Hampshire Counties)

Connecticut:

Verbena officinalis L. (New Haven County)

New York:

Verbena simplex Lehm. (New York County)

Florida:

Lantana Camara var. mista (L.) L. H. Bailey (Charlotte County)

Illinois:

xVerbena Perriana Moldenke (Menard County)

Iowa:

Verbena bracteata Lag. & Rodr. (Linn County)

Missouri:

xVerbena moechina Moldenke (Jefferson County)

Texas:

Change "Aloysia ligustrina (Lag.) Small" to read Aloysia lycioides Cham. and add Webb County

Change "Aloysia ligustrina var. Schulzii (Standl.) Moldenke" to read Aloysia lycioides var. Schulzii (Standl.)

Moldenke and add Nueces County

Phyla nodiflora (L.) Greene (Jefferson County)

New Mexico:

Change "Aloysia ligustrina (Lag.) Small" to read Aloysia lycioides Cham.

Arizona:

Change "Aloysia ligustrina var. Schulzii (Standl.) Moldenke" to read Aloysia lycioides var. Schulzii (Standl.) Moldenke

Lantana horrida H.B.K. (Pima County)

Verbena ciliata var. pubera (Greene) Perry (Apache County)

Verbena Wrightii A. Gray (Mohave County)

Oregon:

Verbena lasiostachys var. septentrionalis Moldenke (Linn County)

California:

Phyla nodiflora var. rosea (D. Don) Moldenke (Marin County)

MEXICO:

Change "Aloysia ligustrina (Lag.) Small" to read Aloysia lycioides Cham.

Change "Aloysia ligustrina var. Schulzii (Standl.) Moldenke" to read Aloysia lycioides var. Schulzii (Standl.) Moldenke

- Avicennia bicolor Standl. (Chiapas)
Lantana Camara var. aculeata (L.) Moldenke (Vera Cruz)
Lantana Camara f. parvifolia Moldenke (Oaxaca)*
Lantana hispida H.B.K. (Puebla)
Phyla nodiflora (L.) Greene (Tamaulipas)
Verbena teucriifolia var. corollulata Perry (México)

BERMUDA:

- Avicennia nitida Jacq. (Main)
Callicarpa americana L. (Main)
Citharexylum spinosum L. (Main)
Clerodendrum aculeatum (L.) Schlecht. (Main)
Clerodendrum fragrans var. pleniflorum Schau. (Main)
Clerodendrum glabrum E. Mey. (Main)
Duranta repens L. (Main)
Lantana Camara L. (Main)
Lantana Camara var. aculeata (L.) Moldenke (Main)
Lantana Camara var. mista (L.) L. H. Bailey (Main)
Phyla nodiflora (L.) Greene (Main)
Phyla nodiflora var. reptans (H.B.K.) Moldenke (Main)
Stachytarpheta jamaicensis (L.) Vahl (Main)
Verbena officinalis L. (Main)
Verbena rigida Spreng. (Main)

DOMINICA:

- Clerodendrum umbellatum var. speciosum (Dombrain) Moldenke

COLOMBIA:

- Aegiphila longifolia Turcz. (Méta)
Duranta Sprucei var. columbiensis Moldenke is the correct
orthography of this name
Lantana Camara L. -- delete "Antioquia"

VENEZUELA:

- Phyla nodiflora var. reptans (H.B.K.) Moldenke (Anzoategui)
Priva lappulacea (L.) Pers. (Anzoategui)

SURINAM:

- Lantana cujabensis Schau.

ECUADOR:

- Clerodendrum fragrans var. pleniflorum Schau. (Los Ríos)
Cormutia odorata (Poepp. & Endl.) Poepp. (Los Ríos)
Lippia alba (Mill.) N. E. Br. (Los Ríos)
Stachytarpheta cayennensis (L. C. Rich.) Vahl (Los Ríos)
Verbena litoralis H.B.K. (Santiago-Zamora)

PERU:

- Verbena peruviana (L.) Britton

BRAZIL:

- Aegiphila Hassleri Briq. (Rio Grande do Sul)
Aloysia ligustrina (Lag.) Small should be changed to read
Aloysia lycioides Cham.
Aloysia ligustrina var. paraguariensis (Briq.) Moldenke
should be changed to read Aloysia lycioides var. para-

guariensis (Briq.) Moldenke

Aloysia Sellowii (Briq.) Moldenke (Rio Grande do Sul)

Bouchea fluminensis var. pilosa Moldenke (Minas Geraes)

Duranta parvifolia Moldenke (Minas Geraes)*

Lantana canescens var. integrifolia Moldenke (Minas Geraes)

Lippia violacea Moldenke (Minas Geraes)*

Stachytarpheta australis Moldenke (Santa Catharina)

Verbena Malmii Moldenke (Rio Grande do Sul)*

Verbena pulchra Moldenke (Rio Grande do Sul)*

Vitex amazonica Moldenke is to be deleted

Vitex brasiliensis Steud. is to be deleted

Vitex Perriana Moldenke is to be deleted

Vitex Perriana var. abludens Moldenke is to be deleted

Vitex rufescens A. L. Juss. (Bahia, Parahyba, Pernambuco, & Piauhy)

Vitex rufescens var. abludens (Moldenke) Moldenke (Bahia & Pernambuco)*

Vitex spongiocarpa Ducke is to be deleted

Vitex spongiocarpa var. longidentata Moldenke is to be deleted

Vitex Sprucei var. longidentata (Moldenke) Moldenke (Amazonas)

BOLIVIA:

Aloysia ligustrina (Lag.) Small is to be changed to read

Aloysia lycioides Cham.

Aloysia ligustrina var. paraguariensis (Briq.) Moldenke is to be changed to read Aloysia lycioides var. paraguariensis (Briq.) Moldenke

Lantana Fiebrigii Hayek (Santa Cruz)

Lantana glutinosa Poepp. (Santa Cruz)

Lantana micrantha Briq. -- delete "Cochabamba" and add Santa Cruz

Lantana micrantha var. armata Moldenke (Cochabamba)*

Lantana micrantha f. violacea Moldenke (Santa Cruz)

PARAGUAY:

Aloysia ligustrina (Lag.) Small should be changed to read

Aloysia lycioides Cham.

Aloysia ligustrina var. paraguariensis (Briq.) Moldenke is to be changed to read Aloysia lycioides var. paraguariensis (Briq.) Moldenke

Lantana micrantha f. violacea Moldenke

Stachytarpheta paraguariensis Moldenke*

URUGUAY:

Aloysia ligustrina (Lag.) Small should be changed to read

Aloysia lycioides Cham.

Aloysia ligustrina var. paraguariensis (Briq.) Moldenke is to be changed to read Aloysia lycioides var. paraguariensis (Briq.) Moldenke

Lantana hypoleuca Briq.

Verbena bonariensis var. *conglomerata* Briq.

ARGENTINA:

Aloysia chacoensis Moldenke (Catamarca)*Aloysia ligustrina* (Lag.) Small should be changed to read*Aloysia lycioides* Cham. and add Corrientes*Aloysia ligustrina* var. *paraguariensis* (Briq.) Moldenke is to
changed to read *Aloysia lycioides* var. *paraguariensis*
(Briq.) Moldenke and add Córdoba & Tucumán*Aloysia Sellowii* (Briq.) Moldenke (Corrientes & Mendoza)*Junellia chubutensis* Moldenke (Chubut)**Junellia Echegarayi* var. *cordifolia* Moldenke (Mendoza)**Junellia Echegarayi* var. *puberulenta* Moldenke (Mendoza)**Junellia erinacea* (Gill. & Hook.) Moldenke (Chubut)*Junellia Lorentzii* (Niederlein) Moldenke should be changed to
read *Junellia ligustrina* (Lag.) Moldenke*Junellia O'Donelli* Moldenke (Santa Cruz)**Junellia succulentifolia* (Kuntze) Moldenke (Neuquén & Río
Negro)*Lantana aristata* var. *angustifolia* (Kuntze) Moldenke (Chaco)*Lantana Balansae* Briq. (Formosa)*Lantana Camara* var. *aculeata* (L.) Moldenke (Tucumán)*Lantana Fiebrigii* Hayek (Formosa)*Lantana fucata* Lindl. (Córdoba & Corrientes)*Lantana fucata* f. *albiflora* Moldenke (Córdoba)**Lantana glutinosa* Poepp. (Corrientes & Entre Ríos)*Lantana Grisebachii* Stuck. (Catamarca, Entre Ríos, La Rioja,
& Salta)*Lantana hypoleuca* Briq. (Entre Ríos & Misiones)*Lantana Junelliana* Moldenke (San Luis)*Lantana micrantha* Briq. (Formosa)*Lantana micrantha* f. *violacea* Moldenke (Chaco, Corrientes, &
Salta)*Lantana montevidensis* (Spreng.) Briq. (Entre Ríos)*Lantana tiliaefolia* Cham. (Misiones & Tucumán)*Lantana xenica* Moldenke (Córdoba & Mendoza)*Lippia alba* (Mill.) N. E. Br. (Formosa & San Juan)*Lippia angustifolia* Cham. (Corrientes)*Lippia asperrima* Cham. (Corrientes & Formosa)*Lippia tegulifera* Briq. (Corrientes)*Lippia turbinata* Griseb. (San Juan)*Lippia turbinata* f. *angustifolia* Osten (Santa Fé & Santiago
del Estero)*Phyla nodiflora* (L.) Greene (Catamarca, Chaco, Córdoba, Entre
Ríos, Jujuy, San Juan, San Luis, Mendoza, Santa Fé, &
Santiago del Estero)*Phyla nodiflora* var. *canescens* (H.B.K.) Moldenke (Río Negro)*Phyla nodiflora* var. *reptans* (H.B.K.) Moldenke (Formosa, San

Juan, & Santiago del Estero)

Phyia nodiflora var. rosea (D. Don) Moldenke (Entre Ríos & Formosa)

Stachytarpheta cayennensis (L. C. Rich.) Vahl (Corrientes)

Verbena carollata Briq. (Córdoba)

Verbena moricolor Moldenke (Catamarca)

Verbena Parodii (Covas & Schnack) Moldenke (Tucumán)

Verbena peruviana (L.) Britton (Catamarca & Tucumán)

Verbena scrobiculata Griseb. (Santiago del Estero)

Verbena tenuisecta Briq. (Catamarca)

WALES:

Verbena officinalis L.

ANGLO-EGYPTIAN SUDAN:

Clerodendrum Wallii Moldenke (Nuer)

ERITREA:

Lantana viburnoides (Forsk.) Vahl is the correct accredition
of this name

ABYSSINIA:

Lantana viburnoides (Forsk., Vahl is the correct accredition
of this name)

Lippia Radula J. G. Baker

CAMEROON:

Clerodendrum singwanum Thomas is the correct orthography of
this name

Lippia rugosa A. Chev.

FRENCH EQUATORIAL AFRICA:

Lippia rugosa A. Chev. (Middle Congo)

BELGIAN CONGO:

Clerodendrum discolor (Klotzsch) Vatke

Clerodendrum myricoides (Hochst.) R. Br.

Clerodendrum myricoides var. savanorum (DeWild.) Thomas

UGANDA:

Clerodendrum Wallii Moldenke -- delete the "*"

Lippia africana var. villosa Moldenke*

TANGANYIKA TERRITORY:

Lantana viburnoides (Forsk.) Vahl is the correct accredition
of this name

KENYA:

Lantana viburnoides (Forsk.) Vahl is the correct accredition
of this name

Lippia Radula J. G. Baker -- delete the "*"

ANGOLA:

Clerodendrum myricoides var. savanorum (DeWild.) Thomas

SOUTHWEST AFRICA:

Lippia Dinteri Moldenke*

BECHUANALAND PROTECTORATE:

Lantana viburnoides (Forsk.) Vahl

Lippia javanica (Burm. f.) Spreng.

UNION OF SOUTH AFRICA:

- Clerodendrum glabrum var. ovale (Klotzsch) H. H. W. Pearson
 (Transvaal)*
Lippia africana Moldenke (Cape of Good Hope & Transvaal)*
Lippia lupuliformis Moldenke (Natal)*
Stilbe mucronata N. E. Br. is to be deleted
Stilbe verticillata (Ecklon & Zeyher) Moldenke (Cape of Good Hope)*
Stilbe verticillata var. cuspidata (H. H. W. Pearson) Moldenke (Cape of Good Hope)*
Stilbe Zeyheri Gamoger is to be deleted
Xeropiana Zeyheri Briq. (Cape of Good Hope)

ARABIA:

Lantana viburnoides (Forsk.) Vahl is the correct accreditation
 of this name

LEBANON:

Vitex Agnus-castus L.

INDIA:

Duranta repens L. (Bombay)
Gmelina arborea Roxb. (Bombay)
Lippia alba (Mill.) N. E. Br. (Assam)
Stachytarpheta urticaefolia (Salisb.) Sims (Bombay)

CHINA:

Caryopteris ningpoensis Hemsl.*
Caryopteris parvifolia Batalin*

FORMOSA:

Clerodendrum Ohwii Kanehira & Hatusima*

JAPAN:

Callicarpa dichotoma (Lour.) K. Koch (Honshiu)
Callicarpa japonica var. luxurians Rehd. (Honshiu)
Callicarpa mollis Sieb. & Zucc. (Honshiu)
Caryopteris divaricata (Sieb. & Zucc.) Maxim. -- delete "Mu-sashi"
Clerodendrum trichotomum Thunb. -- delete "Ise", add Hokkaido
Vitex Negundo var. cannabifolia (Sieb. & Zucc.) Hand.-Mazz.
 (Honshiu)
Vitex trifolia var. simplicifolia Cham. -- delete "Ise"
Vitex trifolia var. simplicifolia f. albiflora (Y. Matsumura)
 Moldenke (Honshiu)*

RYUKYO ISLANDS:

Premna microphylla Turcz. (Okinawa)

PHILIPPINE ISLANDS:

Callicarpa subcandida Elm. (Luzon)*

HAWAIIAN ISLANDS:

Clerodendrum fragrans (Vent.) R. Br. (Oahu)
Vitex trifolia var. simplicifolia Cham. (Maui)

CULTIVATED:

Aloysia lycioides var. paraguariensis (Briq.) Moldenke (Brazil)